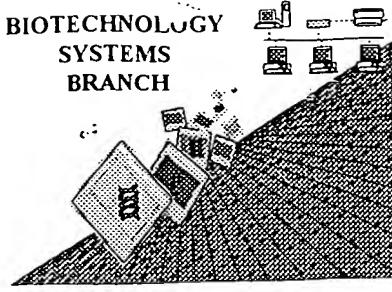


45

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/765,231  
Source: O1PF  
Date Processed by STIC: 7/5/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§ 1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**  
**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/765,231

DATE: 07/05/2001  
TIME: 11:35:21

Input Set : N:\paola\09765231.txt  
Output Set: N:\CRF3\07032001\I765231.raw

2 <110> APPLICANT: Searle/Monsanto  
3 Phippard, Deborah  
4 Vasanthakamur, Geetha  
5 Dotson, Stanton  
6 Ma, Xiao-Jun  
8 <120> TITLE OF INVENTION: Osteoarthritis tissue-derived nucleic acids, polypeptides,  
9 vectors, and cells  
11 <130> FILE REFERENCE: SO-3221 PR  
QF 13 <140> CURRENT APPLICATION NUMBER: US/09/765,231  
E1--> 13 <141> CURRENT FILING DATE: 2001-01-18  
13 <160> NUMBER OF SEQ ID NOS: 82

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

3483 <210> SEQ ID NO: 82  
3484 <211> LENGTH: 225  
3485 <212> TYPE: DNA  
3486 <213> ORGANISM: Homo sapiens  
3488 <400> SEQUENCE: 82  
3490 ggagaatgtg acatagattt gctggcacat gggtttccta tgagcaaacc ccagaattgg 60  
3492 acacacgtat ctggtgctgc attggaaatca tccaaaaaaaaa ccaaggcttg cattgcataat 120  
3494 ctatctgtcg tctgtcgaag gagccctgtc tgtgtgccca aggaagtgac atccttgcca 180  
3496 agggctgtcc ctgttgctagg agatqaagga gcctgtcta tgtgc 225  
E--> 3503 (1) *delete at end of file*

see p. 2 for more errors

09/765,231

2

<210>	6
<211>	2263
<212>	DNA
<213>	Homo sapiens
<hr/>	
<223>	unseen at all n locations
<400>	6

Besides <223>

→ <220>

<221> These

<222> mandatory

numerical  
identifiers  
and responses  
are needed  
whenever

"N" or "Xaa"  
is shown  
in a sequence.

<220> is a  
"header" only -  
it has no  
response.

See 1823.1  
Sequence Rules

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

FyI

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/09/765,231

DATE: 07/05/2001  
TIME: 11:35:22

Input Set : N:\paola\09765231.txt  
Output Set: N:\CRF3\07032001\I765231.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:251 M:283 W: Missing Blank Line separator, <400> field identifier  
L:255 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6  
L:255 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
L:255 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:426 M:283 W: Missing Blank Line separator, <400> field identifier  
L:430 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9  
L:430 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9  
L:430 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9  
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:432 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9  
L:432 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9  
L:432 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9  
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:708 M:283 W: Missing Blank Line separator, <400> field identifier  
L:756 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14  
L:756 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14  
L:756 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14  
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:1139 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1141 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21  
L:1141 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21  
L:1141 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21  
L:1141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:1432 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1458 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:27  
L:1458 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:27  
L:1458 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27  
L:1458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1635 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1641 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:30  
L:1641 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:1641 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:1641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:2386 M:283 W: Missing Blank Line separator, <400> field identifier  
L:2424 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:41  
L:2424 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:41  
L:2424 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41  
L:2424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:2493 M:283 W: Missing Blank Line separator, <400> field identifier  
L:2495 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:42  
L:2495 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:42  
L:2495 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:42  
L:2495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:3080 M:283 W: Missing Blank Line separator, <400> field identifier  
L:3082 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:61

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/765,231

DATE: 07/05/2001  
TIME: 11:35:22

Input Set : N:\paola\09765231.txt  
Output Set: N:\CRF3\07032001\I765231.raw

L:3082 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:61  
L:3082 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:61  
L:3082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61  
L:3084 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:61  
L:3084 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:61  
L:3084 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:61  
L:3084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61  
L:3411 M:283 W: Missing Blank Line separator, <400> field identifier  
L:3415 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:79  
L:3415 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:79  
L:3415 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:79  
L:3415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79  
L:3417 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:79  
L:3417 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:79  
L:3417 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:79  
L:3417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79  
L:3435 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:79  
L:3435 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:79  
L:3435 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:79  
L:3435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79  
L:3446 M:283 W: Missing Blank Line separator, <400> field identifier  
L:3448 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:80  
L:3448 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:80  
L:3448 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:80  
L:3448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80  
L:3450 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:80  
L:3450 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:80  
L:3450 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:80  
L:3450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80  
L:3503 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:225 SEQ:82